Supporting Information

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IB: P-ERK			=	=			
	PTX	-	-	-	+	+	+
	CCL19	-	+	-	-	+	-
	CCL21	-	-	+	-	-	+

Fig. S1. CCL19 and CCL21 dependent MAP kinase is pertussis toxin sensitive. HEK-293 cells stably expressing CCR7 were serum starved for 2 h in the presence or absence of pertussis toxin (200 ng/ml). Cells were then stimulated with 100nM CCL19 or 100nM CCL21 at 37 °C for 5 min. Lysates were prepared, separated by SDS-PAGE, and immunoblotted for phospho-ERK. A representative blot is shown.

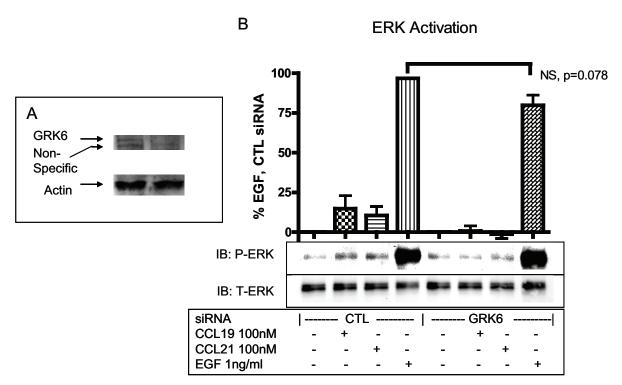


Fig. S2. ERK activation by EGF is preserved after GRK6 siRNA. HEK cells stably expressing CCR7 were transfected with control siRNA or siRNA specific for GRK6. Cells were serum starved for 2 h and then stimulated with 100nM CCL19, 100nM CCL21, or 1 ng/ml EGF at 37 °C for 5 min. (A) A representative blot shows loss of GRK6 expression after siRNA transfection. (B) A bar graph shows the effect of GRK6 expression on ERK activation. Data represent the mean \pm SE from four independent experiments. Statistical significance was determined by paired two-tailed t tests (NS, p > 0.05).